On the Synthesis of the B-(2-thienyl) Alanine

62-1-17/29

ASSOCIATION:

Institute of Organic Chemistry imeni N. D. Zelinskiy, AS USSR

(Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk SSSR)

SUBMITTED:

July 12, 1957

AVAILABLE:

Library of Congress

1. 8 -(2-Tienyl) alanine-Synthesis 2. Alanines-Synthesis

Card 2/2

TITLE:

B.P. FABRICHNYY, 79-1-45/63 Shalavina, I. F Gol'dfarb, Ya. L. , Fabrichnyy, B. P. , AUTHORS:

> The Synthesis of Amino Acids of the Aliphatic Series From Thiophene Derivatives (Sintez aminokislot alifaticheskogo ryada iz proizvodnykh tiofena) II. The Synthesis of β -Anino Acids (II. Sintez \beta-Aminokislot)

Zhurnal Obshchey Khimii, 1958, Vol. 28, Mr 1, pp.213-222(USSR) PERIODICAL:

In recent years new data were published in periodicals on ABSTRACT: the investigation of β -amino acids, as biologically active compounds, of whom earlier little notice had been taken. Thiophene as initial product (references 4 and 5) began to play an important part. The way from thiophene and its homologues to amino acids is illustrated by the formulae (I), (II) and (III). The second stage of this process consists of the condensation of the aldehyde, which can easily be produced, with malonic acid and ammonia to $\beta\text{--amino}$ acid according to V. M. Rodionov. The final stage is brought about

by the reducing desulphurization with the aid of nickel. The Card 1/3

The Synthesis of Amino Acids of the Aliphatic Series From Thiophene Derivatives. II. The Synthesis of β -Amino Acids

given synthesis of β -amino acids contains all possibilities which were characterized by the authors in papers devoted to the methods of synthesis of amino acids of another type. From the above-mentioned scheme follows that the acid of a ramified structure must form when ever the substituent or the aldehyde group are in positions 3 and 4, or when the substituent in position 5 has a ramified structure. Thus the following compounds were obtained from the corresponding 2-thiophene-aldehydes according to Rodionov's method: β-(2-thienyl)-β-aminopropionic-, β -(5-me thyl-2-thienyl)- β -aminopropionic-, β -(5-ethyl-2-thienyl)- β -aminopropionic and β -(5-tert-butyl-2--thienyl)-β-aminopropionic acid. By the hydrogenolysis of these amino acids of the thiophene series the authors synthesized β -amino-n-heptyl-, β -amino-n-capronic, β -amino-n-pelargonic acid. By hydrogenolysis of the acetyl derivatives of β -(5-ethyl-2-thienyl)- β -aminopropionic and β -(5-tert-butyl--2-thienyl)- β -aminopropionic acid the acetyl derivatives of β -amino-n-pelargonic and θ , θ -dimethyl-amino-n-pelargonic acid respectively are obtained. By saponification of the acctyl derivative of θ, θ-dimethyl-β-aminopelargonic acid

Card 2/3

79-1-45/63

The Synthesis of Amino Acids of the Aliphatic Series From Thiophene Derivatives. II. The Synthesis of β -Amino Acids

with hydrochloric acid the hydrochloride of ϑ , ϑ dimethyl- β -aminopropionic acid was obtained; by neutralization free amino acid was liberated. There are 19 references, 10 of which are Slavic.

ASSOCIATION: Institute for Organic Chemistry AN USSR

(Institut organicheskoy khimii Akademii nauk SSSR)

SUBMITTED: December 15, 1956

AVAILABLE: Library of Congress

Card 3/3

1. Chemistry 2. Amino acids-Synthesis 3. Aliphatic compounds

4. Thiophene

FABRICHNYY, B.P.; SHALAVINA, I.F.; GOL'DFARB, Ya.L. Synthesis of aliphatic amino acids from thiphene derivatives. Part 3: Synthesis of W-amino acids. Zhur.ob.khim. 28 no.9:

(MIRA 11:11) 2520-2530 S 58.

1. Institut organicheskoy khimii AN SSSR. (Amino acids)

5 (3) AUTHORS:

Gol'dfarb, Ya. L., Fabrichnyy, B. P., SOV/79-29-3-30/61

Shalavina, I. F.

TITLE:

Synthesis of the Aliphatic Amino Acids From the Thiophene Derivatives (Sintez alifaticheskikh aminokislot iz proizvodnykh tiofena). IV. 5-Acyl-(2-thienyl)-alkanic Acids as Initial Products for the Synthesis of the Aliphatic Amino Acids (IV. 5-Atsil(2-tiyenil)-alkanovyye kisloty kal iskhodnyye veshchestva dlya polucheniya alifaticheskikh aminokislot)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 3, pp 891-897

(USSR)

ABSTRACT:

There are comparatively little data available on the highest aliphatic amino acids of the structure RCH(NH2)(CH2), COOH,

where R = alkyl, although they are interesting as polycondensation objects (Ref 1) or as derivatives for physiological investigations (Ref 2). Their general method of synthesis is so far unknown; for the synthesis of some of these amino acids natural products were used; thus, for instance, the 10-amino-undecanic acid (Refs 1,2) was obtained from

Card 1/3

Synthesis of the Aliphatic Amino Acids From the SOV/79-29-3-30/61 Thiophene Derivatives. IV. 5-Acyl-(2-thienyl)-alkanic Acids as Initial Products for the Synthesis of the Aliphatic Amino Acids

undecylenic acid which is formed on the pyrogenetic cleavage of castor oil. The method previously suggested by the authors which is based on the reductive desulfurization (hydrogenolysis) of the oximino and amino acids of the thiophene series (Refs 3-8) yields aliphatic amino acids of any kind. The thiophene-keto acids previously used by the authors permit only the synthesis of such amino acids in which the carbon atom, as carrier of the amino group, is combined with an alkyl which contains not less than 4 carbons. This restriction was partly removed with the oximes of the aldehyde acids as initial products (Ref 8). In the present paper the synthesis of the highest amino acids of the mentioned type from the oximes of the keto acid (II) according to the given scheme is described. In this way the highest aliphatic amino acids can be synthesized which have the amino group in the required position to the carboxyl and an alkyl radical at the carbon atom combined with the amino group, with the necessary number of carbon atoms. The experimental part gives details on the carrying out of the reaction scheme mentioned. By the

Card 2/3

Synthesis of the Aliphatic Amino Acids From the SOV/79-29-3-30/61 Thiophene Derivatives. IV. 5-Acyl-(2-thienyl)-alkanic Acids as Initial Products for the Synthesis of the Aliphatic Amino Acids

hydrogenolysis of the oximes which were obtained from the thiophene keto acids the following acids were synthesized by means of the skeleton-nickel catalyst: The 10-amino undecanic, 11-aminolauric, 9-amino undecanic, and 11-amino tridecanic acid. There are 3 tables and 8 references, 6 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii Akademii nauk SSSR (Institute

of Organic Chemistry of the Academy of Sciences, USSR)

SUBMITTED: January 20, 1958

Card 3/3

5 (3)

AUTHORS: Gol'dfarb, Ya. L., Polonskaya, M. M., SOV/20-126-1-23/6?

Fabrichnyy, B. P., Shalavina, J. F.

TITLE:

Reductive Acetylation of Thiophene Series Nitrocompounds in the Presence of Skeleton Nickel (Vosstanovitel'noye atsetilirovaniye nitrosoyedineniy ryada tiofena v prisutsvii skeletnego nikelya)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 1, pp 86 - 89

(USSR)

ABSTRACT:

The first and the third author proved earlier (Ref 1) that d-amino-valeric acid is produced with a small yield by the effect of skeleton nickel (Ni_{sk}) on the 5-nitro-2-thiophene-carboxylic acid (I). On the strength of reference 2 the authors

boxylic acid (I). On the strength of reference 2 the authors tried to increase this yield by the application of acetic acid anhydride as medium. However, they succeeded only in isolating the acetyl-amino acid (II) from the reaction mixture. The recognition that this acid produces (III) in the case of the effect of Ni in the aqueous medium (Ref 3) led to the conclusion

that the acetic acid anhydride deactivates Ni sk. This conclusion

was confirmed in the case of two other examples. Thus the react-

Card 1/3

Reductive Acetylation of Thiophene Series Nitrocompounds in the Presence of Skeleton Nickel

SOV/20-126-1-23/62

ion of Nigh with thicphene-nitroderivatives remains under the mentioned conditions in the production stage of an acetyl-amino compound. That is to say, the result of the process is a reductive acetylation. Although the effect of the solvent upon the reducing properties of Ni sk in the case of the hydrogenation of the thiophene derivatives has already been published (Ref 4) the authors could not find data concerning the capacity of the acetic acid of suppressing the desulfurizing function of Ni sk in such cases. The authors found contradictions in the publications concerning the properties of the 5-acetyl-amino-2-thiophene-carboxylic acid (II) (Refs 6-11) when they identified the latter. Since the melting point 230-232° of the acetyl-amino acid (with a II-structure as is assumed) produced by the authors did not agree with that of the publications (272°) they determined the position of the acetyl-amino group in the nucleus. Thus the structure II was confirmed. On the strength of these data the authors doubted whether the experi-

Card 2/3

Reductive Acetylation of Thiophene Series Nitro- 50V/20-126-1-23/62 compounds in the Presence of Skeleton Nickel

mental results of reference 8 were right. The authors then repeated the experiment of reference 8 and obtained acid potassium tartarate with a melting point 273-274°. The authors assume that Campaigne and Archer (Ref 8) erroneously regarded this acid salt as the acetyl-amino acid (II). There are 18 reference 7 of which are Carried

erences, 3 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii

nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinsky

of the Academy of Sciences, USSR)

PRESENTED: February 25, 1959, by B. A. Kazanskiy, Academician

SUBMITTED: February 16, 1959

Card 3/3

FABRICHNYY, B. P. (Prof.)

"A New Principle of Synthesis of Amino Acids."

report to be submitted for the Symposium on the Chemistry of Natural Products, Intl. Union of Pure and Applied Chem. (IUPAC), Melbourne, Canberra, and Sydney, Australia, 15-25 Aug 60

Inst. of Organic Chemistry im W. D. Zelinskiy, Moscow

FABRICHNYY, B.P.; SHALAVINA, I.F.; GOL'DFARB, Ya. L.

Beckmann rearrangement of thiophenocycloalkanone oximes.

Zhur. ob. khim. 31 no.4:1244-1253 Ap '61. (MIRA 14:4)

1. Institut organicheskoy khimii Akademii nauk SSSR imeni N. D. Zelinskogo.
(Oximes) (Cyclohexanone)(Cycloheptanone)
(Beckmann rearrangment)

GOL'DFARB, Ya.L.; FABRICHNYY, B.P.; SHALAVINA, I.F.

Synthesis of aliphatic amino acids from thiophene derivaties.

Part 6: Preparation of E - and J - amino acids and C - substituted lactams. Zhur.ob.khim. 31 no.6:2057-2064 Je '61. (MIRA 14:6)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR. (Amino acids) (Lactams)

FABRICHNYY, B.P.; KRASNYANSKAYA, E.A.; DOL'DFARB, Ya.L.

Preparation of higher aliphatic — amino acids from 2-phenyl-4(thenylidene)-5-oxazolines. Dokl. AN SSSR 143 no.6:1370-1373
Ap '62.

(MIRA 15:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

Predstavleno akademikom B.A.Kazanskim.

(Amino acids) (Oxazoline)

S/190/62/004/012/008/015 B101/B186

AUTHORS:

Volokhina, A. V., Fabrichnyy, B. P., Shalavina, I. F.,

Gol'dfarb, Ya. L.

TITLE:

Polymerization of C-ethyl and C-propyl substituted

enantholactams

PERIODICAL:

Vysokomolekulyarnyye soyedineniya, v. 4, no. 12, 1962,

1829-1832

TEXT: The susceptibility of $\{-\text{ethyl-}\}-\text{enantholactam}$ and of $\{-\text{n-propyl-}\}-\text{enantholactam}$ to polymerization was investigated. Synthesis: The lactam of $\delta-(3-\text{aminothienyl-}2)-\text{valeric}$ acid, or the lactam of $\delta-(3-\text{amino-}5-\text{methyl-thienyl-}2)-\text{valeric}$ acid was obtained from 2',3'-thiopheno-1,2-cyclo-heptan-3-one oxime or from 5'-methyl-2',3'-thiopheno-1,2-cycloheptan-3-one oxime by Beckmann rearrangement in the presence of benzene sulfochloride. At the same time the sulfur was eliminated with skeleton nickel, and the double bonds of the thiophene ring were hydrogenated. The polymerization was carried out at 220-280°C with 2½ H₂O as catalyst in N₂ atmosphere. Solid, glass-like substances with m.p. 170°C were obtained, which can be Card 1/2

Polymerization of C-ethyl and.'..

S/190/62/004/012/008/015 B101/B186

pulled out to filaments at 175°C and from the hot alcoholic solution of which films can be formed. The polymer yield was more than 99%, the intrinsic viscosity reached 0.50 for the ethyl derivative, and 0.30 for the propyl derivative. Conclusion: In contrast to the seven-membered caprolactam ring, the polymerization susceptibility of the eight-membered enantholactam ring is not affected by substituents. There is 1 figure. The most important English-language reference is: H. K. Hall, J. Amer. Chem. Soc., 80, 6404, 1958.

ASSOCIATION:

Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (All-Union Scientific Research Institute of Synthetic Fibers); Institut organicheskoy khimii im. N. D. Zelinskogo AN USSR (Institute of Organic Chemistry imeni N.D. Zelinskiy AS USSR)

SUBMITTED:

July 7, 1961

Card 2/2

VOLOKHINA, A.V.; FABRICHNYY, B.P.; SHALAVINA, I.F.; GOL'DFARB, Ya.L.

Polymerization involving ethyl- and propyl-substituted enantholactams. Vysokom. seed. 4 no.12:1829-1832 D '62.

(MIA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna i Institut organicheskoy khimii imeni N.D. Zelinakogo AN SSSR.

(Azicinone)

(Polymerisation)

GOL'DFARB, Ya.L.; FABRICHNYY, B.P.; ROGOVIK, V.I.

Syntheses based on aldehydes of the thiophene series. Part 1. Synthesis of some aliphatic hydroxy amino acids from thiophene derivatives. Izv. AN SSSR. Ser. khim. no.12:2172-2177 D '63. (MIRA 17:1)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

FABRICHNYY, B.P.; KRASNYANSKAYA, E.A.; SHALAVINA, I.F.; GOL'DFARB, Ya.L.

Synthesis of aliphatic amino acids from thiophene derivatives.

Part 7: Preparation of some higher of amino acids from 2-phenyl4-thenyliden-5-oxazolones. Zhur. ob. khim. 33 no.8:2697-2702

Ag '63. (MIRA 16:11)

1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR.

FABRICHNYY, B. P.; GOL'DPARB, Yakov Lazarevich; SHALAVINA, I. F.

"On the synthesis of the 2,3,4,5-tetradhydrobiotin."

Report presented for the 3rd Intl. Symposium on the Chemistry of Natural Products (IUPAC), Kyoto, Japan, 12-18 April 1964.

FABRICHNYY, B.P.; SHALAVINA, T.F.; COLPEFARB, Ya.L.

Synthesis of aliphatic amino acids from thiophene derivatives. Fart 8: Influence of certain factors on "e product yield in the reduction desulfurization stage. Zhur.:b. khim. 34 no.12:3878-3887 D *64 (MIRA 18:1)

1. Institut organicheskoy khimii im. N.D. Zelinskogo Al SSSB.

AWT(m)/EPF(c)/EWP(j)/T Pc-4/Pr-4 5/0190/65/007/003/0485/0490 = 33634-65 AP5008374 ACCESSION NRI AUTHORS: Salamatina, O. B.; Bonetskaya, A. K.; Skuratov, S. M.; Fabrichnyy, B. P.; Shelavina, I. F.; Gol'dfarb, Ya. b. TITLE: Kinetics and thermal effect of polymerization of some C-alkyl substituted lactams SCURCE: Vysokomolekulyarnyye soyedineniya, v. 7, no. 3, 1965, 485-490 TOPIC TAGS: alkylation, polymerization, kinetics, thermal effect ABSTRACT: A study was made of the kinotics of polymerization of 5-CH3-, 7CH3-, 70 2Hs -and 70 3H7 -caprolactums and 8-C2H5- and 80 3H7-enantholactams in the presence of water alone and with different amounts of phosphoric acid at 2400. The 7-33h7-caprolactam was synthesized. The others were obtained from VNIIV. For polymerization in water it was found that the process is autocatalytic for C alkyl substituted and unsubstituted lactams alike, that the substitution in a lectan molecule sharply lowers the reaction rate, that the degree of conversion from monomer to polymer at maximum rate also declines markedly for both alkylated caprolactams and alkylated mantholuctams, and that the time of reaching maximum Card 1/2

L 38634-65 ACCESSION NR: APSO0837L

reaction rate for these monomers is increased. When phosphoric acid is present with the water the maximal reaction rate is markedly increased, the rate increasing with concentration of acid; the degree of conversion at the maximum rate decreases and lose not depend on the acid concentration; and the time for reaching maximum rate is strongly reduced. It was found that the maximal rate depends on the substituted alkyl in the ring, and that this rate decreases with increase in length of the substituted alkyl. Methyl substitution in raprolactams lowers the thermal effect of polymerization. Ethyl substitution increases the effect, and propyl substitution does not change it. Orig. art. has: 3 figures and 3 tables.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. H. V. Lomonosova (Moscow State University); Institut organicheskoy khimii im. Zelinskogo, AN SSSR (Institute of Organic Chemistry, AN SSSR)

SUBMITTED: 30May64

ENGL: 00

SUB CODE: OC, MI

NO REF SOV: 007

OTHER: 011

Card 2/2 6

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

FAERICHNYY, B.P.; SHALAVINA, I.F.; GOL'DFARB, Ya.L.

New synthesis of 2,3,4,5-tetrahydrobiotin. Dokl. AN SSSR 162 no.1:
(MIRA 18:5)
120-123 My '65.

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
Submitted November 4, 1964.

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

GGL'EFIRB, Ya.L.; FABRICHNYY, B.F.; RCGCVIK, V.I.

Syntheses and some transformations of methoxymethylthiophenes.

Izv. AN SSSR. Ser. khim. no.3:515-520 '65. (MIRA 18:5)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

SALAMATINA, O.B.; BONETSKAYA, A.K.; SKURATOV, S.M.; FABRICHNYY, B.P.; SHALAVINA, I.F.; GOL DFARD, Ya.L.

Kinetics and the thermal effect of the polymerization of some C-alkyl-substituted lactams. Vysokom. soed. 7 no.3:485-490 Mr '65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova

i Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

FABRICHNYY, B.P.; SHALAVINA, I.F.; GOL'DFARB, Ya.L.

Synthesis of aliphatic amino acids from thiophene derivatives. Part 9: Preparation of α -alkyl- ϵ -caprolactams and α -alkyl- ϵ -aminocaproic acids. Zhur. org. khim. 1 no.8:1507-1514 Ag '65. (MIRA 18:11)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

FABRICI, Imrich

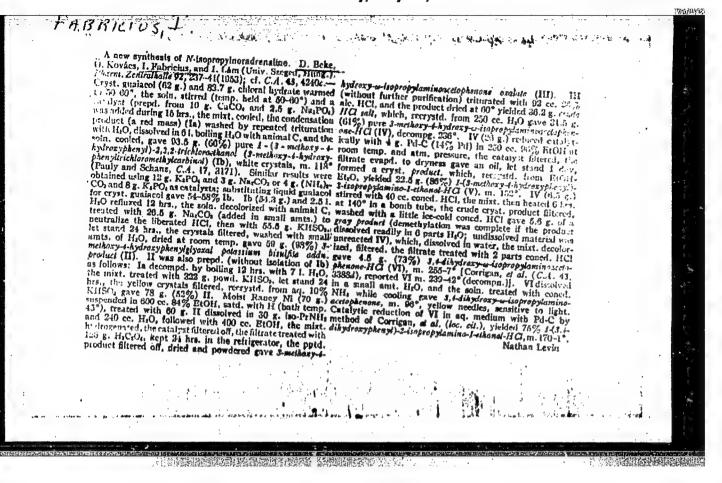
A note on F-classes in commutative Hausdorff bicompact semigroups. Mat fyz cas SAV 11 no.4:282-287 161.

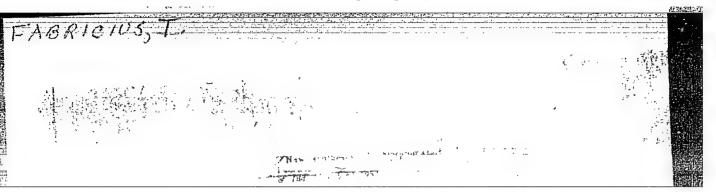
1. Katedra matematiky, Slovenska vysoka skola technicka, Bratislava, Kollarovo namesti 2.

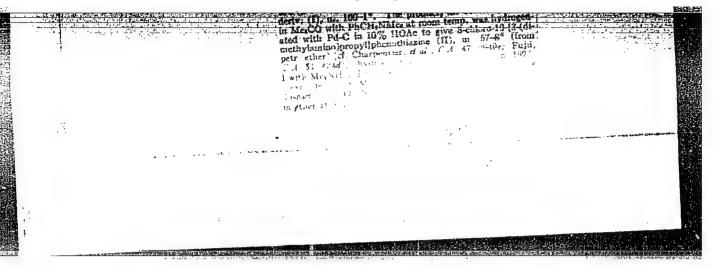
FABRICI, Imrich

The totally maximal elements in semigroups. Mat fyz SAV 13 no.1:16-19 '63.

1. Katedra matematiky a deskriptivnej geometrie, Elektrotechnicka fakulta, Slovenska vysoka skola technicka, Bratislava, Gottwaldovo namesti 2.







"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

Country: Hungary
Catogory=: Organic Chemistry, Synthetic Organic Chemistry,
Abc., Jour.: Ref. Zhur.-Khimiya No. 6, 1959

Author: Toldy, L.; Fabricius, I.
Institut.: Hungarian Academy of Sciences
Title: New Syntheses of Chlorpromazine.

Orig. Pub.: Acta chim. Acad. scient. hung., 1958, 14,
No 1-2, 203-209

Abstract: See RZhKhim, 1957, 77140; 1958, 64517.

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

FABRIK M. 181196 USSR/Radio - Phonographs Apr 51 "Radio-Phonograph With Push-Button Tuning," Yu. Figurovskiy, M. Fabrik "Radio" No 4, pp 22-25 Model 1 has long- and medium-wave bands and 4-station push-button tuning. Also has one button for phonograph operation. Special feature is use of cathode detector, which increases selectivity as compared with grid detector with some sacrifice in gain. Parameters of radio-phonograph are: Output power, 10 w; harmonic factor, %; frequency response, 50-6,000 cps; power drawn from line, 70 w; sensitivity, 100 mv; and selectivity for 25 kc detuning, 30 db. 181796

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA

CIA-RDP86-00513R00041232

USSR/ Electronics - Tape recorders

Card 1/1 : Pub. 89 - 22/26

Authors : Kozyrev, A., and Fabrik, M.

Title : Triple-motor tape-roller mechanism

Periodical : Radio 12, 46-50, Dec 1954

A simple-type triple-motor magnetic tape roller mechanism is described. The cassetes hold a 700 meter tape that can be used for 30 minutes soundscribing at a speed of 385 mm/sec, or 15 minutes at a speed of 770 mm/sec. The mechanism can be fed from a 110, 127 or 220 volt line. A selsyn generator system, designed for a 50-cycle network, can also be used as a driving mechanism instead of the motor. Electric brakes are provided instead of the conventional tape brakes. A general layout of the mechanism, the arrangement of parts and detailed shop drawings are presented. The principles of adjusting the mechanism, reversing its motion, braking and instantaneous stopping, by means of selecting the optimum voltages are discussed. Diagrams; drawings; circuit diagram.

Institution:

Submitted :

KOZYRBV, Anatolii Vladimirovich; FABRIK, Mark Abramovich; KANBVSKAYA, M.D., redaktory; TROITSKIY, L.V., redaktor; ANDRIONOV, B.I., tekhnicheakiy redaktor

[Design of amateur magnetic recorders] Konstruirovanie liubitel!skikh magnitofonov. Moskva, Izd-vo DOSAAF, 1956. 175 p. (MIRA 9:9) (Magnetic recorders and recording)

FABRIK, M.

USER/Electronics - Sound recording

Card 1/1

Pub. 89 - 17/33

Authors

* Kozyrev, A., and Fabrik, M.

Title

1 Magnetic tape recorder with amplifier operating on transistors

Periodical : Radio 2, 37-39, Feb 56

Abstract

A technical description is given for a magnetic tape recorder of small dimensions, fed from a battery with its ribbon mechanism driven by a spring motor, and intended for taking dictation when traveling. For such an instrument it is found feasible to use junction transistors in the amplifier instead of electron tubes. The technical details of this amplifier including a statement of the parts involved and its construction are given along with directions for its adjustment. Illustration; block diagram.

Institution :

Submitted

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

THE KINGSHIP PROBLEM

Subject

マヒアコヒメニューマイノ

: USSR/Radio

AID P - 4395

Card 1/1

Pub. 89 - 4/11

Authors

: Kozyrev, A. and M. Fabrik

Title

Magnetophone with triode-transistor amplifier

Periodical

: Radio, 3, 30-39, Mr 1956

Abstract

The operation of the tape, its mounting and design details are described. Nine diagrams present a very detailed picture of the entire operation.

Institution: None

Submitted

: No date

AID P - 4929

Subject : USSR/Electronics

Pub. 89 - 13/17 Card 1/1

Authors Kozyrev, A., and M. Fabrik

Amateur magnetic recorder Title

Radio, 7, 45-48, J1 1956 Periodical

Abstract The authors describe the procedure in producing a magnetic

recorder by the means available to an average radio

amateur. The type described corresponds to the "Dnepr-3" and "Dnepr-5" types. It permits recording a band of frequencies from 100 to 7000 cycles with a recording speed

of 381 mm/sec. This speed, may be reduced at will, to 190.5 mm/sec. The first part of the article gives a

detailed description of the driving mechanism. Six detailed

drawings.

Institution : None

Submitted : No date

AID P - 4943

Subject

: USSR/Electronics

Card 1/1

Pub. 89 - 10/18

Authors

: Kozyrev, A. and M. Fabrik

Title

: Amateur magnetic recorder

Periodical

Radio, 8, 34-36, Ag 1956

Abstract

This is the second and final part of an article by the same authors (this journal, #7, 1956). It deals with the electrical parts of the magnetic recorder, which are aslo presented in a detailed connection diagram. Two tables of specifications, 1 drawing of the assembled

recorder.

Institution:

None

Submitted

No date

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

AID P - 5022

Subject

: USSR/Electronics

Card 1/1

Pub. 89 - 7/14

Authors

: Fabrik, M. and Yu. Osipenkov

CHARLES WATER TO BE THE SECOND

Title

: Automobile radio receiver

Periodical: Radio, #9, 34-38, S 1956

Abstract

The authors describe in detail an experimental model of an automobile radio receiver. It is equipped with only one vacuum tube and with nine triode transistors of the PIZH and P3A types. The detector is equipped with a diode transistor of the DG-Ts8 type. One connection diagram, 2 drawings of assembled details.

Institution:

None

Submitted

: No date

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-

CIA-RDP86-00513R00041232

ACC NRI

AT7000712

SOURCE CODE: UR/0000/66/000/000/0045/0050

AUTHOR: Kozhevnikov, S. N. (Corresponding member AN UkrSSR); Prazdnikov, A. V. (Candidate of technical sciences); Ioffe, A. M. (Candidate of technical sciences); Fabrika, L. P. (Engineer)

ORG: None

TITLE: Use of electronic simulation for studying the hydropneumatic system of the feed mechanism on a pilger mill

SOURCE: Ukraine. Ministeratvo vysshego i srednego spetsial'nogo obrazovaniya. Gidroprivod i gidropnevmoavtomatika (Hydraulic drive and hydropneumatic automation), no. 2, Kiev, Izd-vo Tekhnika, 1966, 45-50

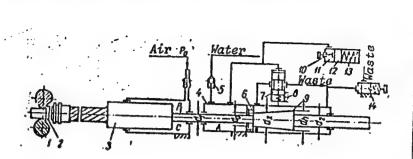
TOPIC TAGS: rolling mill, pneumatic servomechanism, hydraulic device, computer application, analog computer

ABSTRACT: Electric simulation is used for studying the operation of the feed mechanism on a pilger mill. This method consists of using an analog computer for solving the equation of motion of the moving masses in the mechanism. Shown in the figure is a feed mechanism for production of seamless tubes 219-325 mm in diameter. The unit contains a hydraulic brake consisting of housing 4 with diaphragm 6. Inside the housing is tapered plunger 9 with a rod rigidly connected to plunger 3. The entire braking system is filled with water which is fed in at a pressure of $58.9 \cdot 10^4 \text{ N/m}^2$.

Card 1/3

ACC NR. AT7000712

Rolls 1 move sleeve with mandrel 2 as well as plungers 9 and 3 from the extreme left-hand position toward the right. During this process, water from the main line flows through check valve 5 into cavities A and B. After completion of rolling, the moving masses are braked by com-



pressed air in chamber C and begin to move toward the left. On the return path, water from cavity B flows freely through valve 7 into the waste line until the end of the tapered plunger covers the diaphragm. At this point, the fluid pressure in moving masses. The fluid in chamber A is forced through the annulus between the tapered plunger and the diaphragm into chamber B and through pressure valve 14 into the waste line. Valve 14 is used for regulating braking conditions. The length of the braking path is adjusted by using screw 10 for setting piston 12 in measuring unit 11. When plunger 9 enters diaphragm 6, piston 12 is moved by fluid pressure to the extreme right-hand position. This action delivers a fixed quantity of fluid to

Card 2/3

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

ACC NR: AT7000712

the cylinder of measuring unit 11 without resistance, so that there is no braking force on a given section of the braking path. When piston 12 stops in the extreme right-hand position, braking force develops in the hydraulic braking system. After completion of braking at the beginning of the rolling process, spring 13 returns piston 12 to the original position while spring 8 returns slide valve 7 to the neutral position. Electronic simulation was used for studying motion of the masses in this mechanism as a function of their magnitude, the working capacity of the feed mechanism was determined and operation of the hydraulic brake was checked with variations in parameters. The program included simulation of both the acceleration and braking of the moving masses. The resultant data show that an increase in air pressure considerably reduces the operating cycle of the mechanism accompanied by a sharp increase in deceleration of the moving masses past the permissible value. An increase in the gap between the tapered plunger and the diaphragm to more than 0.4 mm results in an excessive final velocity of the moving masses during braking. Repair measures are called for when the clearance reaches this limiting value. The given data agree with those of dynamic computation. Orig. art. has: 5 figures.

SUB CODE: 13/ SUBM DATE: 29Jun66

Card 3/3

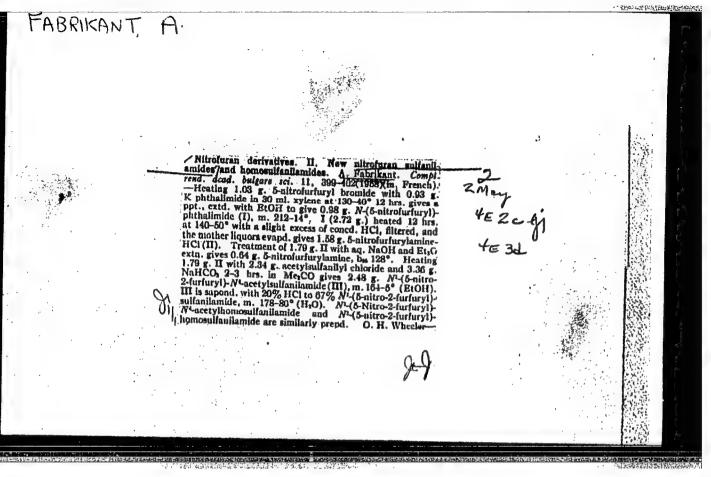
Bulgaria/Organic Chemistry - Synthetic Organic Chemistry, E-2

ing to difurfurylated derivative of III.

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61532

Abstract: 8.5 g NaHCO3 and hydrolysis of the formed N-2-(5-brom)-furfuryl-N-acetylsulfonylamide, yield 65%, MP 135-136° (from alcohol), with 14% solution NaCH. Attempts to prepare homosulfanilamides from N-acetylhomosulfanil-chloride and furfurylamine or I, were unsuccessful. On interaction of α-bromomethyl-furan with acetyl derivative of homosulfanilamide (III) a substance was obtained which does not meet at 250° and having the composition correspond-

Card 2/2



BULGARIA/Organic Chemistry. Synthetic Organic Chemistry.

Abs Jour: Ref Zhur-Khim., No 2, 1959, 4685.

Author : Fabrikant. A.

Inst

: Nitrofuran Derivatives. 5-mitrofurfuryl Ethers.. Title

Orig Pub: Khimiya i Industriya (Dulgaria), 30, No 2, 40-42

(1958) (in Bulgarian).

Abstract: 5-nitrofurfuryl alcohol (I), bp 160 /9 LEM, has been prepared by the acid hydrolysis of 5-mitrofurfuryl acetate; I is converted in ether solution by treatment with PbR3 (30 min, 26°) to 5-nitro-furfuryl bromide, yield 65%, mp 46-47° (from petroleum ether). The latter product is converted to ethers of various types by treatment with the

Na alcoholates of the corresponding alcohols in

: 1/2 Card

FABRIKANT, A.

"News in the field of flotation reagents; review of the publications during the last eleven years, 1946-1957 inclusive"

Khimiis i industriis. Sofiis, Bulgaria. Vol. 30, no. 3, 1958

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 6, Jun 59, Unclas

BULGARIA / Chemical Technology. Chemical Products and

Н

Their Application. Fats and Oils. Waxes. Soapsand Detergents. Flotation Agents.

Abs Jour: Ref Zhur-Khimiya, No 12, 1959, 43858.

Author : Fabricant A. Inst : Not given.

Title : News in Photoreagents (Review of Literature for

the 1946-1957 Period).

Orig Pub: Khimiya i Industriya (Bulg.), 1958, 30, No 4, 112-

116.

Abstract: Bibliography of 53 titles. No abstract.

Card 1/1

FABRIKANT, A.

A source for effective flotation reagents. p. 173.

GODISHNIK. Minno-geolozhki institut. Sofiia, Bulgaria. Vol. 5, No. 1, 1957/58 (published 1959)

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960. UNCL

FABRIKANT, A.

Flotation properties of some thionaphtols. p. 179.

GODISHNIK. Minno-geoloshki institut. Sofiia, Bulgaria. Vol. 5, No. 1, 1957/58 (published 1959).

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960 UNGL

\$/081/62/000/023/044/120 B166/B101

Fabrikant, A., Khadzhiyev, P. AUTHORS:

Intensification of thickening processes in ore dressing works TITLE:

made possible by the use of flocculants

Referativnyy zhurnal. Khimiya, no. 23, 1962, 387, abstract PERIODICALI

23170 (Minno delo i metalurgiya, v. 17, no. 4, 1962, 25-27

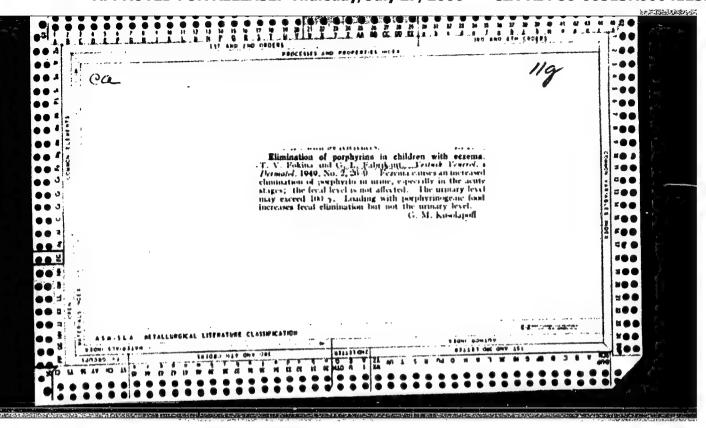
[Bulg.; summaries in Russ. and Ger.])

TEXT: The results of laboratory and pilot-plant tests on thickening processes are given. Amp (AMF) flocculants are recommended for use in Bulgarian ore dressing works. [Abstracter's note: Complete translation.]

Card 1/1

FABRIKANT, A.; KAMENOV, II.

Preparation of flotation reagents by pyrolyzing valcanized caoutchouc waste. Pt. 1. Khim i industriia 36 no.4:136-138 164.



RATTS, M.M.; FABRIKANT, G.L.; LIBEMAN, I.

Penicillin in the treatment of syphilis in children. Pediatria, Moskva No.1:35-40 Jan-Feb 51. (CIML 20:6)

1. Prof.M.M.Rayts; Candidates Medical Sciences G.L.Fabrikant and I.S.Liberman, 2. Of the Syphilological Clinic of the Institute of Pediatrics of the Academy of Medical Sciences USSR (Head of Clinic-Prof.M.M.Rsyts; Director of Institute-Honored Worker in Science Prof.G.M.Speranskiy, Active Member of the Academy of Medical Sciences USSR.

FABRIKANT, G. L.

USSR. "Physiology" Anatomical and Physiological pecularities of the child., I. M. OSTROVSKAYA. Reviewed by G. L. FABRIKANT., MED. sestra., 11, 1951

Monthly List of Russian Accessions, Library of Congress, March 1952, Uncl.

FABRIKANT, G.L.

FABRIKANT, G.L., kandidat meditsinskiy nauk; REZNKOVA, L.S., kandidat

Dynamics of titer changes in the Wassermann reaction in various methods of syphilis therapy in children. Vest. ven. i derm. no.1: 30-34 Ja-F '55. (MIRA 8:4)

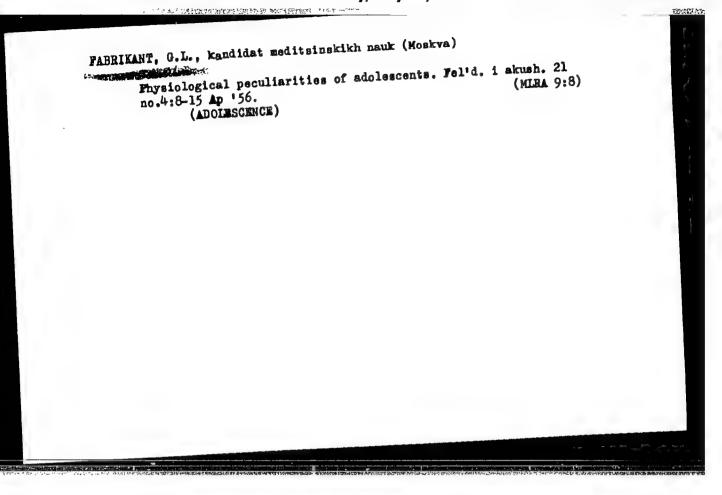
1. Iz sifilidologicheskoy kliniki (sav.-prof. M.H.Rayts) Instituta pediatrii AMN (dir.-deystv. chlen. AMN, saslushemyy deyatel' nauki prof. G.N.Speranskiy) i serologicheskoy laboratorii (zav.-prof. N.M.Ovchinnikov) "TSentral' nogo kozno-venerologicheskogo inst. (dir.-kand. med. nauk N.M.Turanov)

(SYPHILIS, in infant and child

ther., titer of Wassermann reaction, changes in various ther. methods)

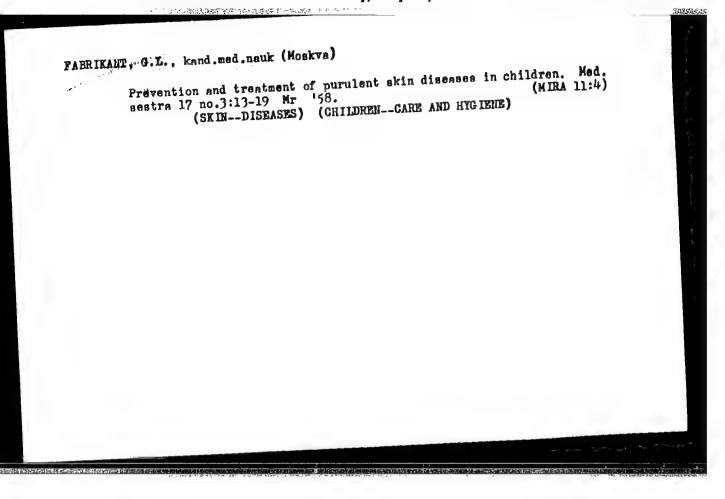
(VASSERMANN REACTION

titer changes in warious methods of syphilis ther. in children)



Present-day methods of treating syphilis in children. Fel'd. i akush. 21 no.12:12-18 D '56. (MLRA 10:1) (SYPHILIS, CONGENITAL, HEREDITARY AND IMPARTIES)

FARRIKART, G.L., kand.med.nauk (Moskva) Pneumonia in infants. Fel'd. i akush 22 no.9:28-36 '57 (MIRA 11:10) (PHEUMONIA)



"APPROVED FOR RELEASE: Thursday, July 27, 2000

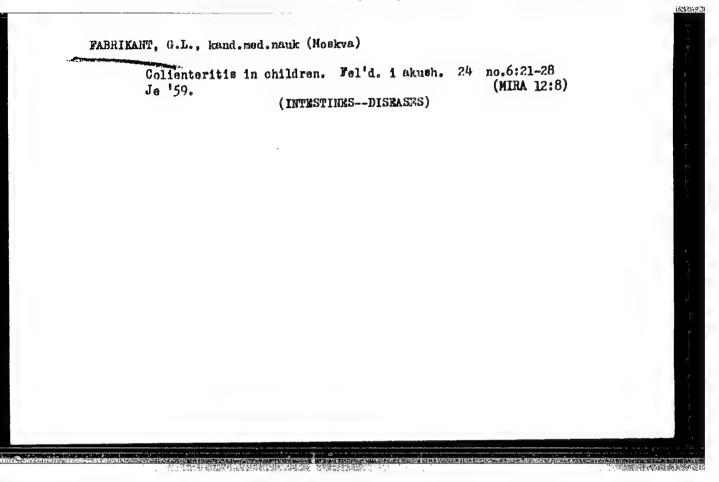
CIA-RDP86-00513R00041232

Preventive inoculations for children. Fel'd i akush. 23 no.5:21-30
Ny '58

(VACCIMATION)
(CHILDREN-DISEASES)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R000412320

FABRIKANT, G. L. Influenza in children. Felid. i akush. 23 no.12:15-22 D'58 (MIRA 11:12)



FABRIKANT, G.L., kand.med.nauk (Moskva) Urticaria in children. Fel'd. 1 akush. 25 no.3:10-15 Mr '60. (MIRA 13:6) (URTIGARIA)

PABRIKANT, G.L., kand.med.mauk (Moskva)

Rheumatic fever in children. Fel'd. 1 akush. 25 no.4:35-39 Ap '60.

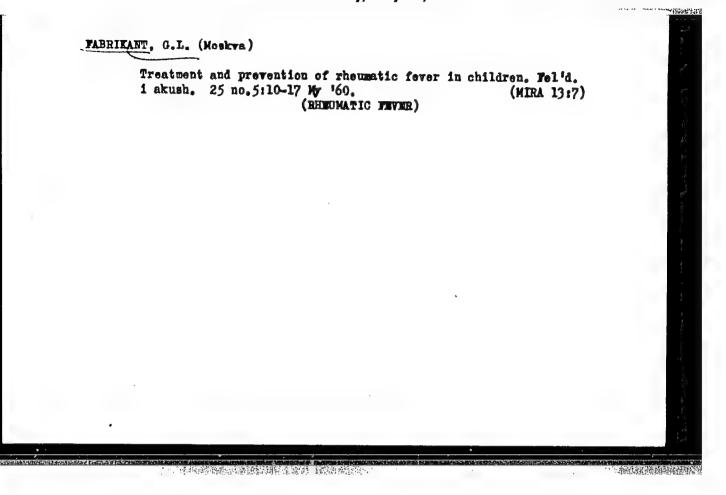
(RHEUMATIC FEVER)

YERENKOV, V.A., kand.med.nauk (Lugansk); GHERVONNYY, G.D., prepodavatel'
infektsionnykh bolezney; FABRIKANT, G.L., kand.med.nauk, prepodavatel'
kursa detskikh bolezney

Instruction on children's infectious diseases in medical schools.
Fel'd. 1 akush. 26 no.5:51-58 My '61. (MIRA 14:5)

1. Meditsinskoye uchilishche, Magnitogorsk (for Chervonnyy).
2. Meditsinskoye uchilishche, No.2, Moskva (for Fabrikant).

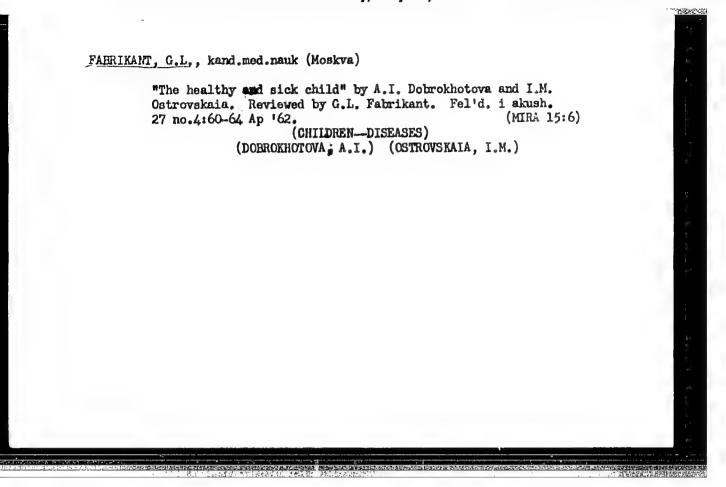
(PEDIATRICS—STUDY AND TEACHING)



PABRIKANT, G.L., kand.med.nauk (Moskva)

Pyloric stenosis and pyloric spasm in children. Fel'd. 1 akush.
(MIRA 14:3)
26 no.4:16-19 Ap '61.
(PYLORIC SPASMS)

(PYLORIC STENOSIS)



Pyuria in children. Fel'd. i akush. 27 no.6:23-27 Je '62.

(MIRA 15:7)

(URINE-ANALYSIS AND PATHOLOGY)

SHEYNKER, S.; FABRIKANT. L.

What construction of the Uliyanovsk Cement Plant teaches. Na stroi. Ros. 3 no.2:4-6 F 163.

1. Zamestitel nachal nika otdela stroitel nykh materialov i sbornogo shelesobetona Goestroya RSFSR (for Sheynker). 2. Upravlyayushchiy tresta TSemstroy Uliyanovskogo soveta narodnogo khozyaystva (for Fabrikant).

(Ul'yanovsk-Cement plants)

ZOTINA, R.S.; KIREYEVA, A.Ya.; FARRIKANT, L.D.; STAVSKIY, A.T., red.; KAPRALOVA, A.A., tekhn. red.

[Collection of problems in mathematical statistics and probability theory]Sbornik zadach po matematicheskoi statistike i teorii veroiatnostei. Moskva, Gosstatizdat, 1962. 183 p. (MIRA 16:2)

(Mathematical statistics) (Probabilities)

YELLHOVICH, A.S.; FABRIKANT, M.A.

New binding material from pyrolytic resins. Avt.dor. 26 no.91
(MIRA 16:10)
18-19 S '63.

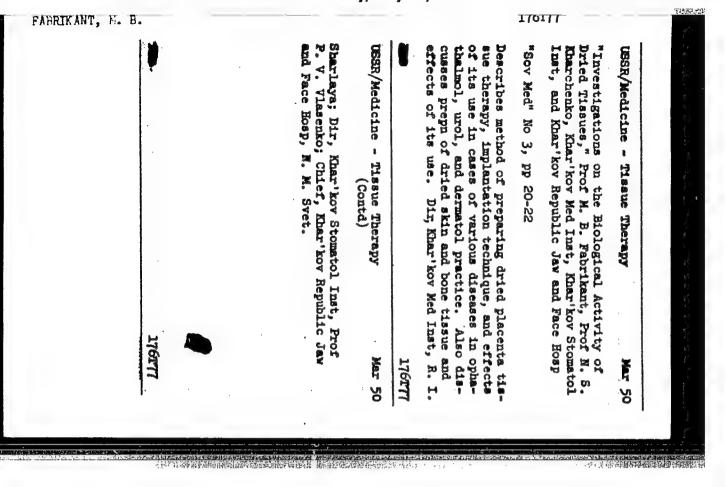
FABRIMANT, M. B. (Prof.) Hon worker of Sci

"Role of Conserved Tissue in Therapy," Khirurgiya, No.10, pp. 18-21, 1947

Translation W-18831, 19 Jul 1951

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232



APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232(

. FABRIKANT, N. A. Aerondinanika. Chast'I. Moskva, Gostekhizdat, 1949. 624 p., diagrs. Title tr.: Aerodynamics. Part I. QA930.F2 SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

· FABRIKANT, N.YA.

1(2)

P.Y

PHASE I BOOK EXPLOITATION

sov/3265

Moscow. Aviatsionnyy tekhnologicheskiy institut

Nekotoryye voprosy aerodinamiki i dinamiki samoleta (Some Problems in Aerodynamics and Dynamics of Aircraft) Moscow, Oborongiz, 1959. 11 p. (Its: Trudy, vyp. 42) 2,100 copies printed.

Additional Sponsoring Agency: RSFSR. Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya.

Ed.: (Title Page): S.I. Zonshayn, Doctor of Technical Sciences, Professor; Managing Ed.: A.S. Zaymovskaya, Engineer.; Ed. of Publishing House: S.I. Vinogradskaya. Tech. Ed.: V.P. Rozhin.

PURPOSE: This collection of articles is intended for the engineering and technical personnel of design offices and scientific-research organizations. It may also be used by students of aeronautical vuzes, specializing in the field of aircraft construction.

COVERAGE: This collection of articles contains some results of scientific research performed by the Aerodynamics and Design of Aircraft Department of MATI Card 1/6

Some Problems in Aerodynamics (Cont.)

SOV/3265

(Moscow Aviation Technology Institute) during the period 1955 - 1957. The collection considers a number of problems in wing theory for three-dimensional flow and in the dynamics of aircraft, and also methods for research conducted at the initial stages of design and configuration of aircraft. A report by V.T. Dubasov presents a variational method for approximate determination of the velocity field for potential unsteady, compressible and incompressible air flow about bodies. S.I. Zonshayn considers the methods of research performed to determine rational dimensions of aircraft during the initial design stages. The problem is solved in a general formulation, but the obtained results are applied to particular problems, for instance, to the calculation of optimum wing loads. In a report by N.Ya. Fabrikant, the theorem regarding the lifting force of a wing, given by N.Ye. Zhukovskiy, is generalized for the case of a rotational threedimensional flow and a compressible medium. A formula is given for calculating force arising from the mutual interaction of two flows. The results obtained are used for calculating the effect of the accompanying jet on the lift coefficient of the wing and for calculating the load distribution along the span in the region bordering on the wing tip. A report by S.M. Matveyev deals with one of the important problems in aircraft dynamics - the loop - first investigated by N.Ye. Zhukovskiy. The problem is solved for the mathematically simplest case, namely a loop with uniform turning of the flight path. The kinematic and dynamic analysis

Card 2/6

	Translational matter (Cont.) 80V/3265		
	Translational motion of a circular cylinder	18	
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me Problems in Aerodynamics (Cont.) SOV/3265		
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/AILABLE: Library of Congress		
	AC/gmp	

NEKRASOV, Boris Borisovich; BURAGO, G.F., prof., doktor tekhn.nauk;
KOSOUROV, K.F., prof., retsensent; FABRIKANT, M. Ta., retsensent;
RUDNEV, S.S., retsensent; SHIL'TSET, A.N., c.d.; STREL'HIKOVA,
M.A., tekhn.red.

[Hydraulics] Gidravlika. Moskva, Voen.isd-vo M-va obor. SSSR,
1960. 260 p.

(Hydraulics)

(Hydraulics)

PIRIMOV, A.I., kand. tekhn. nauk; FABRIKANT, N.Ye., prof., red.;
PORTHOVA, Z.S., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Aerodynemic principles of inertia separation] Aerodinamicheskie osnovy inertsionnoi separatsii. Pod red. N.IA.Fabrikanta.
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 123 p.

(MIRA 15:1)

(Dust—Removal)

(Separators (Machines))

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

FAHRIKANT, Mikolav Yukovlevich; DUBASOV, V.T., red.

[Aerodynamics; general course] Aerodinamika; obshchii kurs. Moskva, Nauka, 1964. 814 p. (MIRA 17:10)

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

L 38180-66 EWP(m)/EWT(1)

ACC NR: AP6011782

SOURCE CODE: UR/0147/66/000/001/0028/0037

AUTHOR: Fabrikant, N. Ya.

ORG: none

TITLE: Velocity distribution in a turbulent flow close to a solid surface

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 1, 1966, 28-37

TOPIC TAGS: flow velocity, turbulent flow, surface property

ABSTRACT: The author considers the relationship between average velocities and tangential stresses as the basis for calculating a velocity field in a turbulent flow. Motion transfer theory is utilized as the point of departure for this study. In accordance with this theory, the averaged tangential stress resulting from turbulent mixing and involving a case of flow parallel to the x-axis is determined by a standard equation. The distance of intermixing can be determined both experimentally and theoretically. Experimentally it is determined by measuring the velocities and tangential stresses in turbulent flow. Theoretically, the distance is determined on the basis of an accepted turbulent flow model. The study is in agreement with the data in the literature on the vortex nature of turbulent mixing. This phenomenon is a direct result of the rotation of isolated fluid bodies under the effect of a transverse force. The transverse motion of the fluid bodies and their rotation is retarded by the ambient

Card 1/2

UDC: 532.517.4

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L 38180-66

ACC NR: AP6011782

fluid. It is because of this phenomenon that the distance traveled by these bodies is limited in a direction perpendicular to the flow. The calculated distance of intermixing based on this method is determined for the case when $v_{\rm X}$ is independent of x. The distance of intermixing obtained by the above method is very close to the experimentally determined distance. This is not true of the distance calculated according to the standard formulas in the literature. Turbulent flow over an infinite surface is considered. At a distance from the surface where the effect of viscosity is imperceptible, the average velocity is assumed to be distributed according to a parabolic law. This law does not satisfy the boundary conditions at the wall. The article also deals with an approximate method of computing velocities in the general case of turbulent flow in the vicinity of a solid surface. Orig. art. has: 6 figures, 17 formulas.

SUB CODE: 20/ SUBM DATE: 26Jul65/ ORIG REF: 001/ OTH REF: 005

nd

Card 2/2

"APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041232

TABRIKANT, S.B.

USSR/General Problems of Pathology - Shock.

T-3

Abs Jour

: Ref Zhur - Biol., No 1, 1958, 3028

Author

Fabrikant, S.B.

Inst

Title

: On the Significance of Individual Reactivity of the Body

in the Formation of Thermal Shock.

Orig Pub

: Tr. Kirg. gos. med. in-ta, 1956, 8, 155-163

Abstract

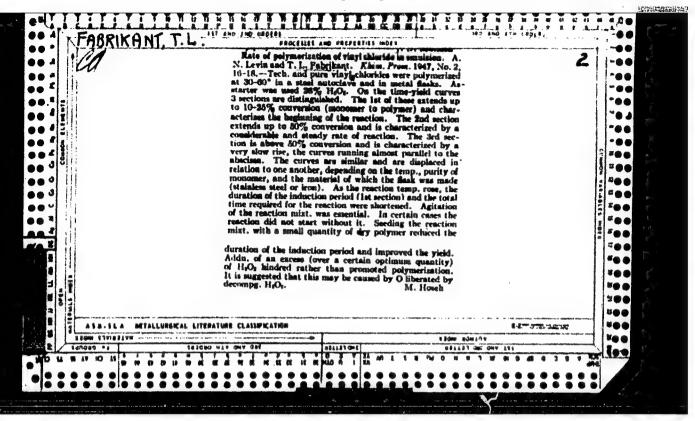
: A burn of 33-35% of the surface area was caused by a stream of scalding water. The course of the shock accompanying skin involvements of such intensity was characterized by individual variations in arterial pressure, hemoconcentration and survival. Anesthesia (2 ml/kg of a 50% solution of urethan) shortened the original blood pressure drop, prevented hemoconcentration and postponed the animals'

death.

Card 1/1

FARRIKANT, S.1., inzh. (Novopolotsk)

Increasing the operational reliability of an automatic switch.
Energetik 13 no.8:20-22 Ag '65. (MRA 18:9)



LEVIN, A.N., dotsent, kandidat tekhnicheskikh nauk; FABRIKANT, T.L., nauchnyy sotrudnik

Polymerization rate of vinyl chloride in emulsions. Khim.prom. no.2:48-50 F'47. (MIRA 8:12)

1. MIKhM

(Ethylene) (Polymers and polymerisation)

FAURIKANT, T. L.

Fabrikant, T. L.

"The development of a process for obtaining certain copolymers of vinyl chloride and acrylonitrie." Min Higher Education USSR. Moscow Inst of Chemical Machine Building. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis' No. 21, 1956. Moscow.

KLINOV, I.Ya., prof.; FABRIKANT, T.L., nauchnyy sotrudnik; MYL'NIKOV, V.P., inzhener.

Use of carbon and graphite materials in the woodpulp and paper industry. Bum.prom.32 no.8:6-8 Ag '57. (MIRA 10:12)

1. Monkovakiy institut khimicheskogo mashinostroyeniya (for Klinov, Fabrikant).

(Graphite) (Woodpulp industry) (Carbon)

5(1,3)

PHASE I BOOK EXPLOTTATION

SOV/3170

.Fabrikant, Tamara L'vovna, and Vol'f Leonovich Vol'tman

Asbovinil i yego primeneniye v khimicheskoy promyshlennosti (Asbovinyl and Its Utilization in the Chemical Industry) Moscow, Goskhimizdat, 1958.
78 p. Errata slip inserted. (Series: Korroziya v khimicheskikh proizvodstvakh i sposoby zashchity, vyp. 11) 3,000 copies printed

Ed.: I.Ya. Klinov; Editorial Commission: N.A. Baklanov, V.Ye. Volodin, V.S. Kiselev (Chairman), I.Ya. Klinov, V.I. Kruchinin (Secretary), G.V. Sagalayev (Deputy Chairman), and P.G. Udyma.

FURPOSE: This booklet is intended for workers specializing in corrosion prevention and for design engineers of chemical and related industries

COVERAGE: This booklet deals with the prevention of corrosion and anticorrosive materials. It reviews physicochemical and mechanical properties of asbovinyl which is an anticorrosive mixture, the basic components of which are ethynol (divinyl acetylene), lacquer and asbestos. Methods for preparation of the

Card 1/5

Asbovinyl and Its Utilization (Cont.)

SOV/3170

asbovinyl mixture and the utilization of this mixture as a protective material against corrosion are briefly outlined and safety techniques during production are reviewed. Chemical resistance of different types of asbovinyl to corrosive agents is discussed. The experience of the industry in using asbovinyl mixture for the lining of various containers, filters, gas conduits, pipes, etc., is outlined. The procedure for using this mixture as a corrosion resistant material is explained as well as methods of storing, transporting, packing, etc. Studies of A.L. Klenbanskiy, I.M. Dolgopol'skiy and I.P. Shabodalov proved that asbovinyl mixture can be used successfully for protecting equipment of the chemical industry against corrosion. It is now widely used in Soviet industry. There are 16 references: 14 Soviet and 2 English.

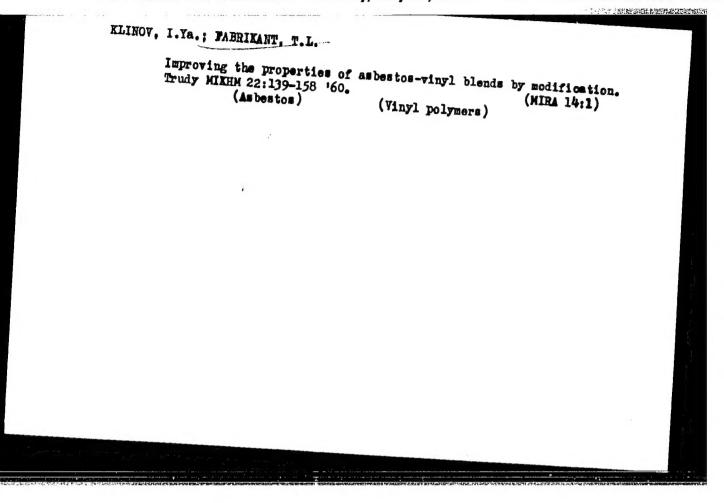
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KLINOV, I.Ya.; KUTSENOK, B.I.; FABRIKANT, T.L.; GIL'MAN, TS.I.

Chemically stable mastics based on a modified asbestcs vinyl.

Plast.massy no.2:44-50 '61. (MIRA 14:2)

(Plastics) (Protective coatings)